



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H111181

**Mode:** Highway

**Status:** Submitted

### US-74

**From/Cross Street:** US 74 Bus

**Specific Improvement Type:** 11 - Access Management

**To:** NC 226

**Project Category:** Statewide Mobility

**Length:** 5.97

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$12,312,000

#### Description:

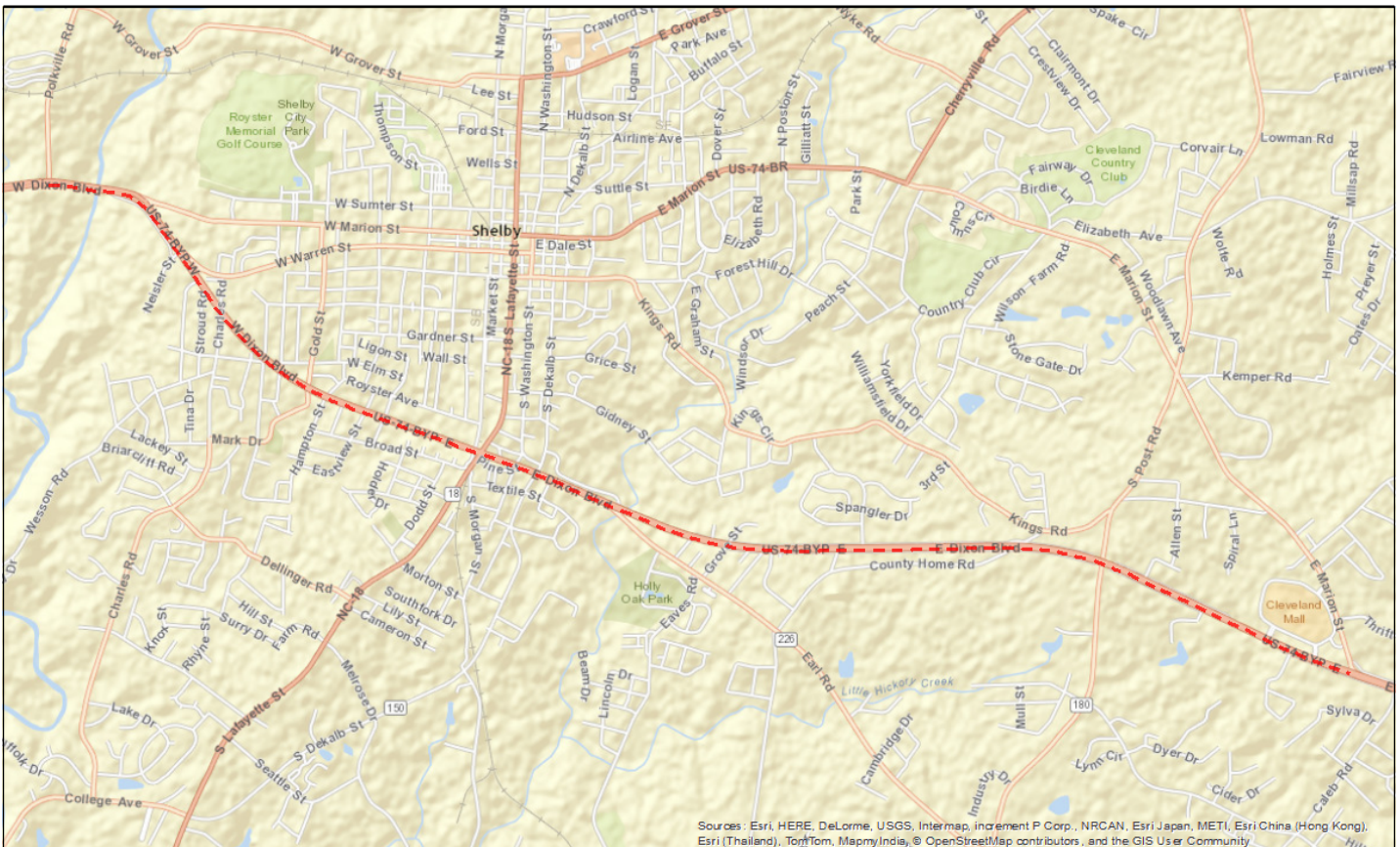
Placement of Directional Crossovers and Management of Access Roads to increase Safety and Efficiency.

**Division(s):** Division 12

**County(s):** CLEVELAND

**MPOS(s)/RPO(s):** Gaston-Cleveland-Lincoln MPO

#### Project Location



**Statewide Mobility Total Score: 34.44**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (10%) 59.14	N/A	N/A
Economic Competitiveness (10%) 17.83		
Multimodal + [Freight & Military] (20%) 13.37		
[Travel Time] Benefit/Cost (30%) 13.20		
Congestion (V/C) (30%) 67.03		
<b>Totals: Weight: 100% Weighted Score: 34.44</b>		

**Regional Impact Total Score: 58.12**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 67.03	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 59.14		
[Travel Time] Benefit/Cost (25%) 13.20		
Accessibility / Connectivity (10%) 21.49		
<b>Totals: Weight: 70% Weighted Score: 28.12</b>		

**Division Needs Total Score: 21.96**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 67.03	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 59.14		
[Travel Time] Benefit/Cost (20%) 13.20		
<b>Totals: Weight: 50% Weighted Score: 21.96</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	51
Length (miles):	5.97
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial- Other Freeway
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	29236.96
Capacity:	31700
Volume/Capacity Ratio:	0.92
% Autos:	91%
% Trucks:	9%
Truck Volume:	2673.38
Crash Density:	55.4
Crash Severity:	63.85
Critical Crash Rate:	58.19
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	79
Actual Congested Speed:	36.51
Travel Time Index:	1.38

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	51
Length (miles):	5.97
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial- Other Freeway
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	7115330.2
Travel Time Savings for 30 Years (Autos):	6464715.13
Travel Time Savings for 30 Years (Trucks):	650615.07
Long-Term Employment:	126.39
% Change in Economy:	0.00023028
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 12

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 12	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Gaston-Cleveland-Lincoln MPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$12,312,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$12,312,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$12,312,000</b>	